Smart Skies			
2000 Mathematics			
Academic Standards			
Indiana Mathematics			
Grade 5			
Activity/Lesson	**State**	**Standards**	
Fly by Math	IN	MA.5.5.3.7	Use information taken from a graph or equation to answer questions about a problem situation.
Line Up with Math	IN	MA.5.5.3.6	Understand that the length of a horizontal line segment on a coordinate plane equals the difference between the x-coordinates and that the length of a vertical line segment on a coordinate plane equals the difference between the y-coordinates.
Smart Skies			
2000 Mathematics			
Academic Standards			
Indiana Mathematics			
Grade 6			
Activity/Lesson	**State**	**Standards**	
Fly by Math	IN	MA.6.6.5.1	Select and apply appropriate standard units and tools to measure length, area, volume, weight, time, temperature, and the size of angles.
Fly by Math	IN	MA.6.6.6.1	Organize and display single-variable data in appropriate graphs and stem-and-leaf plots, and explain which types of graphs are appropriate for various data sets.
Line Up with Math	IN	MA.6.6.5.1	Select and apply appropriate standard units and tools to measure length, area, volume, weight, time, temperature, and the size of angles.
Smart Skies			
2000 Mathematics			
Academic Standards			
Indiana Mathematics			
Grade 7			
Activity/Lesson	**State**	**Standards**	
Fly by Math	IN	MA.7.7.3.8	Draw the graph of a line given the slope and one point on the line, or two points on the line.
Fly by Math	IN	MA.7.7.6.1	Analyze, interpret, and display data in appropriate bar, line, and circle graphs and stem-and-leaf plots, and justify the choice of display.
Line Up with Math	IN	MA.7.7.3.8	Draw the graph of a line given the slope and one point on the line, or two points on the line.
Line Up with Math	IN	MA.7.7.3.10	Identify and describe situations with constant or varying rates of change and know that a constant rate of change describes a linear function.

Smart Skies			
2000 Mathematics			
Academic Standards			
Indiana Mathematics			
Grade 8			
Activity/Lesson	**State**	**Standards**	
Fly by Math	IN	MA.8.8.3.6	Find the slope of a linear function given the equation and write the equation of a line given the slope and any point on the line.
Fly by Math	IN	MA.8.8.4.3	Identify properties of three-dimensional geometric objects (e.g., diagonals of rectangular solids) and describe how two or more figures intersect in a plane or in space.
Fly by Math	IN	MA.8.8.5.2	Solve simple problems involving rates and derived measurements for attributes such as velocity and density.
Fly by Math	IN	MA.8.8.6.4	Analyze, interpret, and display single- and two-variable data in appropriate bar, line, and circle graphs; stem-and-leaf plots; and box-and-whisker plots and explain which types of display are appropriate for various data sets.
Line Up with Math	IN	MA.8.8.3.6	Find the slope of a linear function given the equation and write the equation of a line given the slope and any point on the line.
Line Up with Math	IN	MA.8.8.4.3	Identify properties of three-dimensional geometric objects (e.g., diagonals of rectangular solids) and describe how two or more figures intersect in a plane or in space.
Line Up with Math	IN	MA.8.8.5.2	Solve simple problems involving rates and derived measurements for attributes such as velocity and density.
Smart Skies			
2000 Mathematics			
Academic Standards			
Indiana Mathematics			
Grades 9-12 (Algebra I)			
Activity/Lesson	**State**	**Standards**	
Fly by Math	IN	MA.9-12.A1.3.2	Interpret a graph representing a given situation.
Fly by Math	IN	MA.9-12.A1.4.2	Find the slope, x-intercept and y-intercept of a line given its graph, its equation, or two points on the line.
Line Up with Math	IN	MA.9-12.A1.4.2	Find the slope, x-intercept and y-intercept of a line given its graph, its equation, or two points on the line.